

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/039487 A2

- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number: **PCT/US2004/029902**
- (22) International Filing Date:
10 September 2004 (10.09.2004)
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
60/502,160 10 September 2003 (10.09.2003) **US**
- (71) Applicant (for all designated States except US):
**SLOAN-KETTERING INSTITUTE FOR CAN-
CER RESEARCH** [US/US]; Office of Industrial Affairs,
1275 York Avenue, New York, NY 10021 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SPRIGGS, David**
[US/US]; 1233 York Ave., Apt. 22C, New York, NY
10021 (US). **FLEISHER, Martin** [US/US]; 45 Knott
Drive, Glen Cove, NY 11542 (US). **TANWAR, Meena**
[US/US]; 310 E. 66th St., Apt. 1A, New York, NY 10021
(US). **DUPONT, Jakob** [US/US]; 264 Eastland Ave.,
Pelham, NY 10803 (US).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.
- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished
upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: **METHOD FOR EARLY DETECTION OF OVARIAN CANCER**

(57) Abstract: YKL-40 levels in serum and plasma samples provide as an indicator of both the presence of early stage ovarian cancer and of its aggressiveness. Thus testing for YKL-40 levels in patients at risk but not yet displaying symptoms associated with ovarian cancer, or in patients newly diagnosed with early stage ovarian cancer (Stage I or II) enhance both the detection of early stage ovarian cancer and selection of treatment protocols used for early stage ovarian cancer patients.

WO 2005/039487 A2